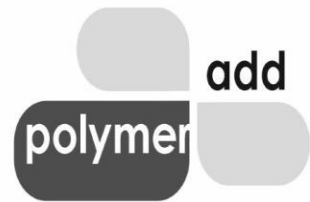


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PVC-SULBLEND P5515

Micronized Additive Blend for Cost-Down PVC Compounds

1. Product Description

PVC-SULBLEND P5515 is a dry, micronized additive blend designed for rigid and foam PVC applications where **transparency and high whiteness are non-critical**. The blend offers a cost-effective alternative to conventional fillers, aiding in **flow, dispersion, and thermal stability** during extrusion or injection molding.

2. Typical Composition

Ingredient	% w/w	Function
Micronized Sodium Sulfate (Stearic Coated)	55%	Inert filler, thermal stable, cost-down agent
Micronized PVC Resin Carrier (K-value 67–68)	20%	Dispersive carrier for PVC compatibility
Calcium Stearate (Micronized)	5%	Internal lubricant
Zinc Stearate (Micronized)	3%	Thermal stabilizer / lubricant
Processing Aid – Acrylic (Micronized)	2%	Melt strength, flow enhancer
Oxidized PE Wax (Micronized)	5%	External lubricant for surface finish
Impact Modifier / Coupling Agent (Micronized, optional)	5%	Compatibility and mechanical adjustment
Antioxidant AO-1010	0.2%	Thermal processing stability

3. Physical Properties

Parameter	Typical Value
Appearance	Fine off-white powder
Particle Size (D90)	< 40 µm
Bulk Density	0.55 – 0.75 g/cm ³
Moisture Content	< 0.3%
Odor	Neutral
Processing Stability	Up to 250 °C

4. Application Guidelines

End-Use PVC System	Recommended Loading
Rigid Profiles	5–15 phr
PVC Foam Sheets	8–20 phr (with foaming agents)
Pipe Fittings (Opaque)	5–12 phr
Non-critical filler layers	15–25 phr

- Compatible with both Ca-Zn and Lead-based PVC stabilizer systems
- Mix with base resin and process through extruder or injection molding system

5. Key Benefits

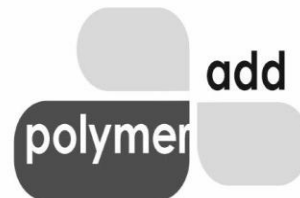
- Enables **resin and filler cost reduction**
- **Micronized for fine dispersion** and melt homogeneity
- **Stearic acid coating** ensures improved dry blending and flow

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- Improves **thermal stability** with minimal impact on strength

6. Packaging

- 20 kg or 25 kg HDPE-lined paper bags
- Bulk packaging available on request

7. Storage & Shelf Life

- Store in dry, shaded area at <40 °C
- Shelf life: **12 months** in unopened original packaging

This preblend is offered as a dry additive system designed for technical use in polymer processing. The user is responsible for determining the appropriate dosage, processing parameters, and compatibility with their specific polymer and equipment. Polymer Add Thailand shall not be liable for any consequential or incidental damages arising from incorrect use or unverified end-application performance

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